

Amendments to the Claims

This listing of claims replaces all prior version and listings of claims in the application.

Listing of Claims:

1. (currently amended) An image generator program providing apparatus for sending ~~[[an]]~~ at least one image generator program of a plurality of image generator programs to a receiver apparatus, the plurality of image generator ~~program programs~~ configured to generate a plurality of images of a subject, each image of the plurality of images based on parameters having a different setting value and captured data obtained from the subject, said image generator program providing apparatus comprising:

a communication device configured to communicate with the receiver apparatus; and

a controller device configured to:

receive the captured data from the receiver apparatus via said communication device;

generate the plurality of images by executing the plurality of image generator programs, each image generator program using different setting values of the parameters;

send the plurality of images to the receiver apparatus through said communication device ~~the plurality of images generated by executing the image generator program with different setting values of the parameters;~~

receive a selection of at least one image of the plurality of images from the receiver apparatus via said communication device; and

send ~~[[the]]~~ at least one image generator program of the plurality of image generator programs associated with the selected at least one image and having the

setting values of the parameters configured to comply with ~~a selection result~~ the selected at least one image to the receiver apparatus through said communication device, ~~the image generator program sent in accordance with the selection result received through said communication device on images desired by the receiver apparatus.~~

2. (currently amended) An image generator program providing apparatus according to claim 1, wherein:

said controller device is configured to:

generate the plurality of images having image display characteristics selectable in compliance with each of the different setting values of the parameters based on a processing result by the plurality of image generator program programs configured to have different setting values of the parameters;

send the generated plurality of images to the receiver apparatus through said communication device; and

based on the selection result by the receiver apparatus on the desired images, send the at least one image generator program having setting values of the parameters configured to comply with the selection result through said communication device to the receiver apparatus.

3. (previously presented) An image generator program providing apparatus for sending an image generator program to a receiver apparatus, the image generator program configured to generate a plurality of images of a subject, each image of the plurality of images based on parameters having a different setting value and captured data obtained from the subject, said image generator program providing apparatus comprising:

a communication device configured to communicate with the receiver apparatus; and

a controller device configured to:

send to the receiver apparatus through said communication device the plurality of images generated by executing the image generator program with the captured data received from the receiver apparatus through said communication device and with various setting values of the parameters configured differently; and

send the image generator program having the setting values of the parameters configured to comply with a selection result to the receiver apparatus through said communication device, the image generator program sent in accordance with the selection result received through said communication device on images desired by the receiver apparatus.

4. (previously presented) An image generator program providing apparatus, according to claim 3, wherein:

said controller device is configured to:

generate the plurality of images having image display characteristics selectable in compliance with each of the setting values of the parameters based on the captured data received from the receiver apparatus through said communication device and as a processing result by the image generator program configured to have different setting values of the parameters;

send the generated plurality of images to the receiver apparatus through said communication device; and

based on the selection result by the receiver apparatus on the desired images, send the image generator program having setting values of the parameters configured to comply with the selection result through said communication device to the receiver apparatus.

5. (currently amended) An image generator program providing apparatus according to claim 1, wherein:

the at least one image generator program is executed on a medical imaging apparatus including an X-ray computed tomography (CT) apparatus or a magnetic resonance imaging (MRI) apparatus, which at least scans the subject to generate the captured and performs a reconstruction according to the captured data to generate medical images in compliance with parameters of image display characteristics.

6. (currently amended) An image generator program providing apparatus according to claim 1, wherein:

the parameters include at least one of a parameter for high-pass filtering, a coefficient for thinning out views, a parameter for back-projection, a coefficient for edge enhancement of images, a filter frequency of band-pass filtering, a coefficient for noise reduction, and a parameter relating to the image reconstruction; and

said controller device is configured to execute each of the plurality of image generator ~~program~~ programs with different setting values of the parameters to generate the plurality of images, and send the plurality of images to the receiver apparatus.

7. (currently amended) An image generator program providing system for sending an image generator program of a plurality of image generator programs from an originator apparatus ~~that is a provider of the image generator program~~ to a receiver apparatus ~~that is the destination of the image generator program~~, each image generator program of the plurality of image generator ~~program~~ programs configured to generate a plurality of images of a subject, each image of the plurality of images based on parameters having a different setting value and captured data obtained from the subject, said originator apparatus comprising:

a first controller device configured to:

receive the captured data from said receiver apparatus;

send to said receiver apparatus the plurality of images generated by executing each of the plurality of image generator ~~program~~ programs with different setting values of the parameters; and

send to said receiver apparatus the image generator program having the setting values of the parameters configured to comply with a selection result received from said receiver apparatus;

said receiver apparatus comprising:

a second controller device configured to select images desired from the plurality of images received from said originator apparatus and to send the selection result back to said originator apparatus to determine the image generator program to be sent to said receiver apparatus.

8. (currently amended) An image generator program providing system according to claim 7, wherein:

said first controller device is configured to:

generate the plurality of images having image display characteristics selectable in compliance with each of the setting values of the parameters based on the result of processing by each of the plurality of image generator ~~program~~ programs configured to have different setting values of the parameters;

send the generated plurality of images to said receiver apparatus; and

based on the selection result by said receiver apparatus on the desired images, send the image generator program having setting values of the parameters configured to comply with the selection result to said receiver apparatus; and

said second controller device is configured to select the desired images based on the plurality of images received from said originator apparatus to send the selection result back to said originator apparatus.

9. (previously presented) An image generator program providing system according to claim 7, wherein:

the image generator program is executed on a medical imaging apparatus including an X-ray computed tomography (CT) apparatus or a magnetic resonance imaging (MRI) apparatus, which at least scans the subject to generate the captured data, executes the image generator program based on the captured data and according to the setting values of the parameters to reconstruct the plurality of images, and generates the plurality of images of the subject in compliance with the setting values of the parameters.

10. (currently amended) An image generator program providing system according to claim 7, wherein:

the parameters include at least one of a parameter for high-pass filtering, a coefficient for thinning out views, a parameter for back-projection, a coefficient for edge enhancement of images, a filter frequency of band-pass filtering, a coefficient for noise reduction, and a parameter relating to the image reconstruction; and

said originator apparatus is configured to execute each of the plurality of image generator ~~program~~ programs with different setting values of the parameters to generate the plurality of images, and send the plurality of images to said receiver apparatus.

11. (previously presented) An image generator program providing apparatus according to claim 3, wherein:

the image generator program is executed on a medical imaging apparatus including an X-ray computed tomography (CT) apparatus or a magnetic resonance imaging (MRI) apparatus, which at least scans the subject to generate the captured data and performs a reconstruction according to the captured data to generate medical images in compliance with parameters of image display characteristics.

12. (previously presented) An image generator program providing apparatus according to claim 3, wherein:

the parameters include at least one of a parameter for high-pass filtering, a coefficient for thinning out views, a parameter for back-projection, a coefficient for edge enhancement

of images, a filter frequency of band-pass filtering, a coefficient for noise reduction, and a parameter relating to the image reconstruction; and

said controller device is configured to execute the image generator program with different setting values of the parameters to generate the plurality of images, and send the plurality of images to the receiver apparatus.

13. (previously presented) An image generator program providing apparatus according to claim 1, further comprising a reconstruction processing unit configured to perform processing of the capture data based on the setting values of the parameters specified by the receiving apparatus.

14. (previously presented) An image generator program providing apparatus according to claim 13, wherein the reconstruction processing unit comprises at least one of a digital filter unit, a view-basis processing unit, a back projection processing unit, and an image processing unit.

15. (previously presented) An image generator program providing apparatus according to claim 3, further comprising a reconstruction processing unit configured to perform processing of the capture data based on the setting values of the parameters specified by the receiving apparatus.

16. (previously presented) An image generator program providing apparatus according to claim 15, wherein the reconstruction processing unit comprises at least one of a digital filter unit, a view-basis processing unit, a back projection processing unit, and an image processing unit.

17. (previously presented) An image generator program providing system according to claim 1, wherein said originator apparatus further comprises a reconstruction processing unit configured to perform processing of the capture data based on the setting values of the parameters specified by said receiving apparatus.

18. (previously presented) An image generator program providing system according to claim 17, wherein the reconstruction processing unit comprises at least one of a digital filter unit, a view-basis processing unit, a back projection processing unit, and an image processing unit.

19. (previously presented) An image generator program providing system according to claim 7, wherein said receiver apparatus further comprises a storage unit configured to store the image generator program.

20. (previously presented) An image generator program providing system according to claim 19, wherein said storage unit is further configured to store the capture data and the plurality of images.